

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 58   | (COLIGNON.in. or CHRISTOPHE.in.) and (exhaust near3 gas) and (engine)  | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR               | ON      | 2007/03/22 13:46 |
| S2    | 34   | (COLIGNON.in. or CHRISTOPHE.in.) and (exhaust near3 gas) and (engine) and (cataly\$4)                                | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR               | ON      | 2007/03/22 13:46 |
| S3    | 13   | (COLIGNON.in. or CHRISTOPHE.in.) and (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR               | ON      | 2007/03/22 13:48 |

## EAST Search History

|    |     |   |   |    |    |                     |
|----|-----|---|---|----|----|---------------------|
| S4 | 3   | (COLIGNON.in. or CHRISTOPHE.in.) and (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 near4 temperature)            | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR | ON | 2007/03/22<br>13:48 |
| S5 | 0   | (COLIGNON.in. or CHRISTOPHE.in.) and (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR | ON | 2007/03/22<br>13:48 |
| S6 | 176 | ( (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 near4 temperature) ).CLM.  | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR | ON | 2007/03/22<br>13:48 |
| S7 | 21  | ( (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) ).CLM.                             | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR | ON | 2007/03/22<br>13:48 |

## EAST Search History

|     |      |  |   |    |    |                     |
|-----|------|--|---|----|----|---------------------|
| S8  | 7733 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4)  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/22<br>13:49 |
| S9  | 3369 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 near4 temperature)  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/22<br>13:49 |
| S10 | 1709 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4)   | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/22<br>13:50 |
| S11 | 170  | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) near2 fuel) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/22<br>13:50 |

## EAST Search History

|     |    |  |   |    |    |                     |
|-----|----|--|---|----|----|---------------------|
| S12 | 45 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) near2 fuel) and ((post or split or advanc\$4 or polot) near4 (inject\$4))   | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>09:52 |
| S13 | 70 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) near2 fuel) and ((post or split or advanc\$4 or polot) near4 (fuel near4 inject\$4))  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/22<br>13:52 |
| S14 | 28 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) near2 fuel) and ((post or split or advanc\$4 or polot) near4 (inject\$4)) and (((post or split or advanc\$4 or polot) near4 (inject\$4)) same (idl\$4)) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/22<br>13:52 |

## EAST Search History

|     |    |   |   |    |    |                     |
|-----|----|---|---|----|----|---------------------|
| S15 | 64 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) same (fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or polot) near4 (inject\$4))                        | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR | ON | 2007/03/26<br>11:42 |
| S16 | 17 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) near4 (fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or polot) near4 (inject\$4))                       | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR | ON | 2007/03/26<br>09:56 |
| S17 | 51 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) and (fuel near2 (inject\$4 or supply\$4))) and (fuel near4 cut\$4) and ((post or split or advanc\$4 or polot) near4 (inject\$4)) | US-PGPU B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD B | OR | ON | 2007/03/26<br>11:42 |

## EAST Search History

|     |    |  |   |    |    |                     |
|-----|----|--|---|----|----|---------------------|
| S18 | 0  | S17 not "12"   | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>09:59 |
| S19 | 45 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) near2 fuel) and ((post or split or advanc\$4 or polot) near4 (inject\$4))                                 | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>11:42 |
| S20 | 22 | S17 not S19  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>10:00 |
| S21 | 64 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) same (fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4)) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>11:47 |

## EAST Search History

|     |     |   |   |    |    |                     |
|-----|-----|---|---|----|----|---------------------|
| S22 | 51  | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) and (fuel near2 (inject\$4 or supply\$4))) and (fuel near4 cut\$4) and ((post or split or advanc\$4 or pilot) near4 (inject\$4)) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>11:42 |
| S23 | 45  | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) near2 fuel) and ((post or split or advanc\$4 or pilot) near4 (inject\$4))  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>14:11 |
| S24 | 144 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) and (fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4))                         | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>12:16 |

## EAST Search History

|     |     |   |   |    |    |                     |
|-----|-----|---|---|----|----|---------------------|
| S25 | 273 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4))  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>12:19 |
| S26 | 72  | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((max or maximum or max\$4) and (fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4)) and ((cataly\$4) near4 ( regenerat\$4 or purg\$4) ) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>14:12 |
| S27 | 158 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4)) and ((cataly\$4) near4 ( regenerat\$4 or purg\$4) )                                | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>13:51 |

## EAST Search History

|     |    |  |   |    |    |                     |
|-----|----|--|---|----|----|---------------------|
| S28 | 32 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4)) and ((cataly\$4) near4 ( regenerat\$4 or purg\$4) ) and (fuel near4 cut\$4) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>13:48 |
| S29 | 11 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4)) and ((cataly\$4) near4 ( regenerat\$4 or purg\$4) ) and (idl\$4).ab.        | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>13:53 |
| S30 | 33 | (exhaust near3 gas) and (engine) and (cataly\$4) and ( regenerat\$4 or purg\$4) and (cataly\$4 and temperature) and (idl\$4) and ((fuel near2 (inject\$4 or supply\$4))) and ((post or split or advanc\$4 or pilot) near4 (inject\$4)) and ((cataly\$4) near4 ( regenerat\$4 or purg\$4) ) and (idl\$4).clm.       | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | OR | ON | 2007/03/26<br>13:53 |

## EAST Search History

|     |    |   |                                  |    |    |                     |
|-----|----|---|----------------------------------|----|----|---------------------|
| S31 | 55 | ("20030056498"   "20040103654"   "4502278"   "4549398"   "4665690"   "4747264"   "4835964"   "4881959"   "4887426"   "5042248"   "5050376"   "5207058"   "5377484"   "5414994"   "5489319"   "5522218"   "5564283"   "5617720"   "5715679"   "5740676"   "5771686"   "5778667"   "5826425"   "5845486"   "5970707"   "5972075"   "5974793"   "5975046"   "6014859"   "6016653"   "6041591"   "6047542"   "6055807"   "6116023"   "6167696"   "6276130"   "6304815"   "6378297"   "6381952"   "6422001"   "6438948"   "6546721"   "6574956"   "6644020"   "6655133"   "6711892"   "6758037"   "6763799"   "6802180"   "6823665"   "6829890"   "6843055"   "6851258"   "6931842"   "7007463").PN. | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2007/03/26<br>13:59 |
| S32 | 77 | ("5910096"   "6289672"   "6666020"   "6802180"   "6966179"   "6969413"   "7021050"   "7152397").URPN.   | USPAT                            | OR | ON | 2007/03/26<br>14:08 |

## EAST Search History

|     |     |  |                                  |    |    |                     |
|-----|-----|--|----------------------------------|----|----|---------------------|
| S33 | 131 | ("20030056498"  <br>"20040103654"  <br>"4502278"   "4549398"  <br>"4665690"   "4747264"  <br>"4835964"   "4881959"  <br>"4887426"   "5042248"  <br>"5050376"   "5207058"  <br>"5377484"   "5414994"  <br>"5489319"   "5522218"  <br>"5564283"   "5617720"  <br>"5715679"   "5740676"  <br>"5771686"   "5778667"  <br>"5826425"   "5845486"  <br>"5970707"   "5972075"  <br>"5974793"   "5975046"  <br>"6014859"   "6016653"  <br>"6041591"   "6047542"  <br>"6055807"   "6116023"  <br>"6167696"   "6276130"  <br>"6304815"   "6378297"  <br>"6381952"   "6422001"  <br>"6438948"   "6546721"  <br>"6574956"   "6644020"  <br>"6655133"   "6711892"  <br>"6758037"   "6763799"  <br>"6802180"   "6823665"  <br>"6829890"   "6843055"  <br>"6851258"   "6931842"  <br>"7007463").PN. OR<br>("5910096"   "6289672"  <br>"6666020"   "6802180"  <br>"6966179"   "6969413"  <br>"7021050"   "7152397").<br>URPN. | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2007/03/26<br>14:10 |
|-----|-----|--|----------------------------------|----|----|---------------------|

## EAST Search History

|     |   |   |                                  |    |    |                     |
|-----|---|---|----------------------------------|----|----|---------------------|
| S34 | 4 | (("20030056498"  <br>"20040103654"  <br>"4502278"   "4549398"  <br>"4665690"   "4747264"  <br>"4835964"   "4881959"  <br>"4887426"   "5042248"  <br>"5050376"   "5207058"  <br>"5377484"   "5414994"  <br>"5489319"   "5522218"  <br>"5564283"   "5617720"  <br>"5715679"   "5740676"  <br>"5771686"   "5778667"  <br>"5826425"   "5845486"  <br>"5970707"   "5972075"  <br>"5974793"   "5975046"  <br>"6014859"   "6016653"  <br>"6041591"   "6047542"  <br>"6055807"   "6116023"  <br>"6167696"   "6276130"  <br>"6304815"   "6378297"  <br>"6381952"   "6422001"  <br>"6438948"   "6546721"  <br>"6574956"   "6644020"  <br>"6655133"   "6711892"  <br>"6758037"   "6763799"  <br>"6802180"   "6823665"  <br>"6829890"   "6843055"  <br>"6851258"   "6931842"  <br>"7007463").PN. OR<br>("5910096"   "6289672"  <br>"6666020"   "6802180"  <br>"6966179"   "6969413"  <br>"7021050"   "7152397").<br>URPN.) and (idl\$4).ab. | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2007/03/26<br>14:10 |
|-----|---|---|----------------------------------|----|----|---------------------|

## EAST Search History

|     |    |  |                                  |    |    |                     |
|-----|----|--|----------------------------------|----|----|---------------------|
| S35 | 48 | (("20030056498"   "20040103654"   "4502278"   "4549398"   "4665690"   "4747264"   "4835964"   "4881959"   "4887426"   "5042248"   "5050376"   "5207058"   "5377484"   "5414994"   "5489319"   "5522218"   "5564283"   "5617720"   "5715679"   "5740676"   "5771686"   "5778667"   "5826425"   "5845486"   "5970707"   "5972075"   "5974793"   "5975046"   "6014859"   "6016653"   "6041591"   "6047542"   "6055807"   "6116023"   "6167696"   "6276130"   "6304815"   "6378297"   "6381952"   "6422001"   "6438948"   "6546721"   "6574956"   "6644020"   "6655133"   "6711892"   "6758037"   "6763799"   "6802180"   "6823665"   "6829890"   "6843055"   "6851258"   "6931842"   "7007463").PN. OR<br>("5910096"   "6289672"   "6666020"   "6802180"   "6966179"   "6969413"   "7021050"   "7152397").URPN.) and (idl\$4) | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2007/03/26<br>14:10 |
|-----|----|--|----------------------------------|----|----|---------------------|